

WHAT IS CLAIMED IS:

1. An electro-optical apparatus, comprising:
a pair of substrates, the pair of substrates having an outer surface;
an electro-optical element sandwiched between the pair of substrates;
- 5 and
an antistatic layer provided on the outer surface of at least one of the pair of substrates.
2. The electro-optical apparatus according to claim 1, the antistatic layer being formed of an inorganic material.
- 10 3. The electro-optical apparatus according to claim 2, the antistatic layer being formed of silica and conductive particulates.
4. The electro-optical apparatus according to claim 3, the antistatic layer having a resistance value ranging from 10^6 to $10^9 \Omega/\square$.
- 15 5. A projector comprising the electro-optical apparatus according to claim 1.
6. A projector, comprising:
a light source;
a color separating optical system that separates a light beam emitted from the light source into a plurality of colors;
- 20 a plurality of electro-optical apparatuses that modulate the color beams that have been separated by the color separating optical system, the plurality of electro-optical apparatuses including the electro-optical apparatus according to claim 1;
a prism that synthesizes the color beams that have been modulated by these electro-optical apparatuses; and
- 25 a projection lens that projects light emitted from the prism.
7. The projector according to claim 6, further comprising a synthetic resin component, the synthetic resin component being provided with antistatic treatment.
8. The projector according to claim 7, the synthetic resin component being a holding frame that holds the electro-optical apparatus.
- 30 9. A projector, comprising:
a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source:

a projection lens that projects a light beam emitted from the electro-optical apparatus; and

5 a field lens disposed adjacent to a light source side of the electro-optical apparatus, at least one surface of the field lens being provided with at least one of an antistatic layer and an antistatic treatment.

10. A projector, comprising:

a light source;

10 an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus; and

an incident polarizer disposed adjacent to a light source side of the
15 electro-optical apparatus, at least one surface of the incident polarizer being provided
with at least one of an antistatic layer and an antistatic treatment.

11. A projector, comprising:

a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus;

a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

an incident polarizer disposed adjacent to a light source side of the electro-optical apparatus, the incident polarizer being bonded to the light transmitting substrate.

12. A projector, comprising:

30 a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

a projection lens that projects a light beam emitted from the electro-optical apparatus; and

an emergent polarizer disposed adjacent to a projection lens side of the electro-optical apparatus, at least one surface of the emergent polarizer being provided with at least one of an antistatic layer and an antistatic treatment.

13. A projector, comprising:

5

a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

10 a projection lens that projects a light beam emitted from the electro-optical apparatus;

15 a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

15 an emergent polarizer disposed adjacent to a projection lens side of the electro-optical apparatus, the emergent polarizer being bonded to the light transmitting substrate.

14. A projector, comprising:

20 a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

25 a projection lens that projects a light beam emitted from the electro-optical apparatus; and

a phase plate disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, at least one surface of the phase plate being provided with at least one of an antistatic layer and an antistatic treatment.

25 15. A projector, comprising:

25 a light source;

an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;

30 a projection lens that projects a light beam emitted from the electro-optical apparatus;

a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and

a phase plate disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, the phase plate being bonded to the light transmitting substrate.

16. A projector, comprising:

- 5 a light source;
- an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;
- 10 a projection lens that projects a light beam emitted from the electro-optical apparatus; and
- 15 a visual angle compensating film disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, at least one surface of the visual angle compensating film being provided with at least one of an antistatic layer and an antistatic treatment.

17. A projector, comprising:

- 15 a light source;
- an electro-optical apparatus that forms an optical image from a light beam emitted from the light source;
- 20 a projection lens that projects a light beam emitted from the electro-optical apparatus;
- 25 a light transmitting substrate, at least one surface of the light transmitting substrate being provided with at least one of an antistatic layer and an antistatic treatment; and
- a visual angle compensating film disposed adjacent to at least one of a light source side and a projection lens side of the electro-optical apparatus, the visual angle compensating film being bonded to the light transmitting substrate.

18. A projector, comprising:

- color beams;
- 30 a prism that synthesizes the color beams that have been modulated by the electro-optical apparatuses, the prism having a light incident end surface provided with at least one of an antistatic layer and an antistatic treatment; and
- a projection lens that projects the light emitted from the prism.